

Fig. 1

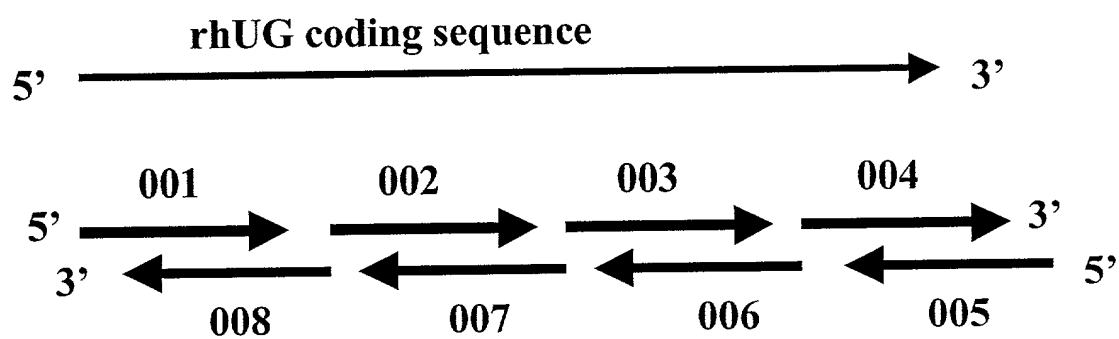


Fig. 2

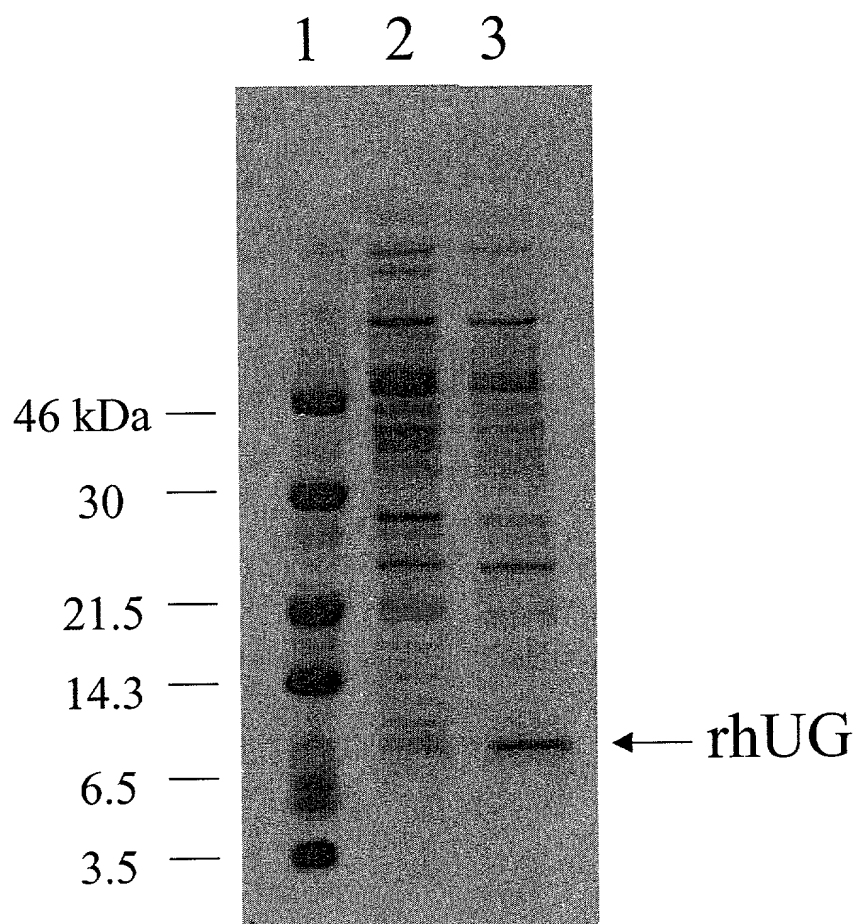


Fig. 3

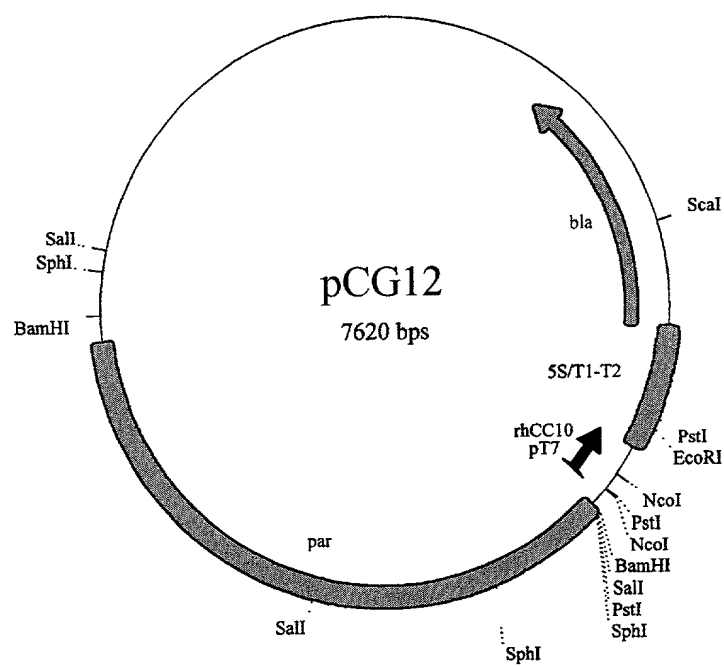


Fig. 4

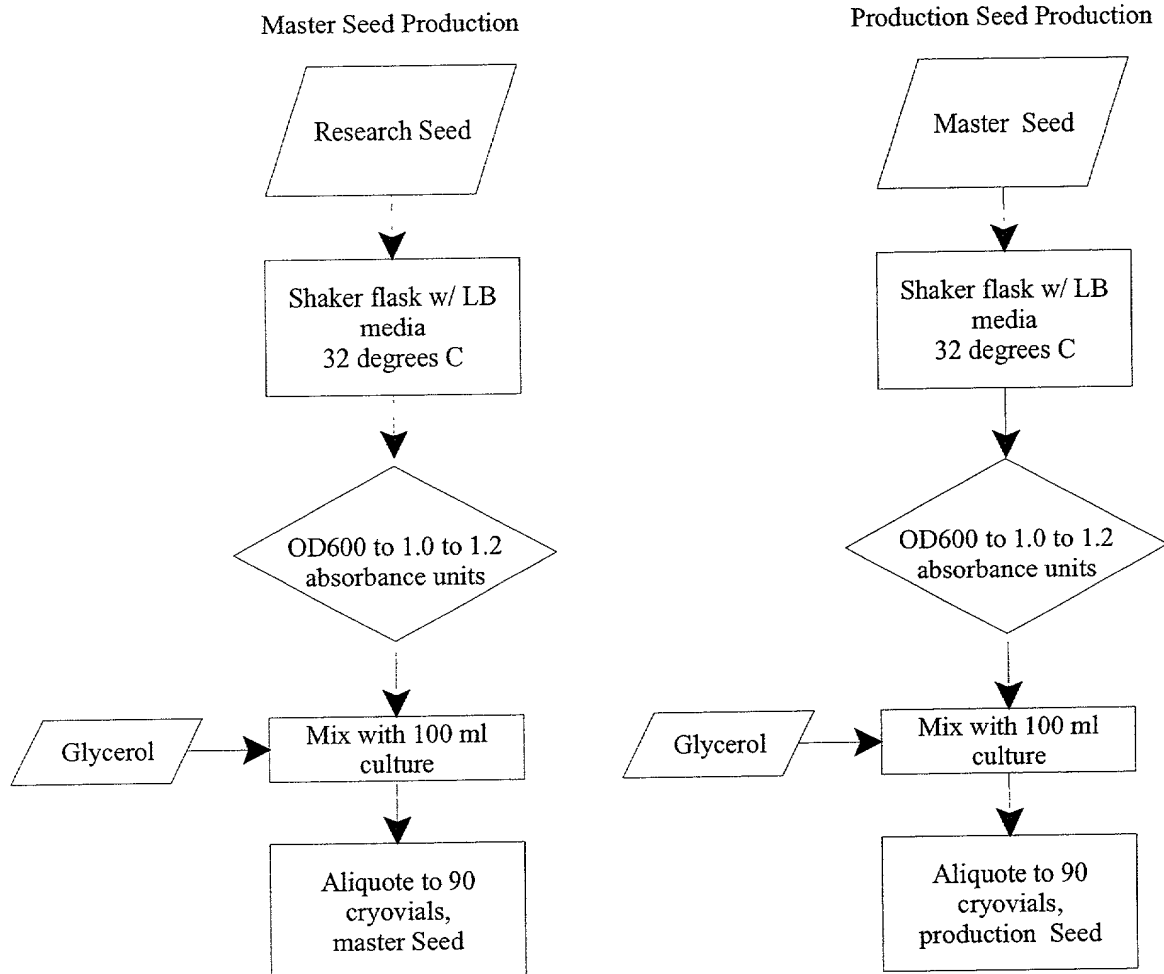


Fig. 5

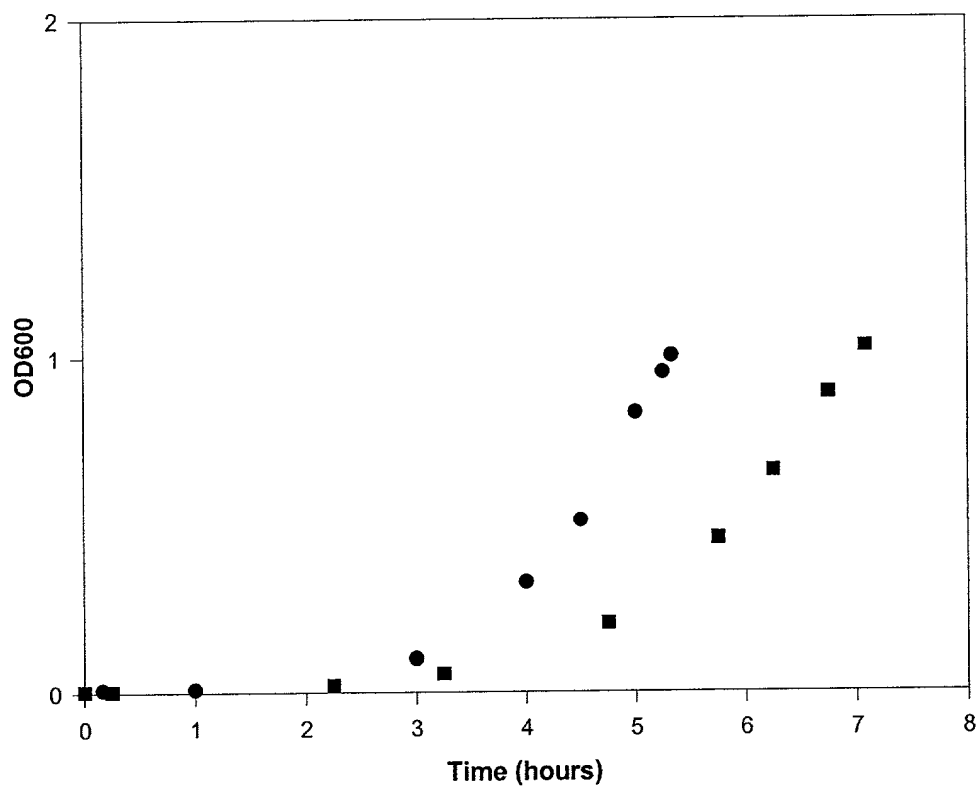


Fig. 6

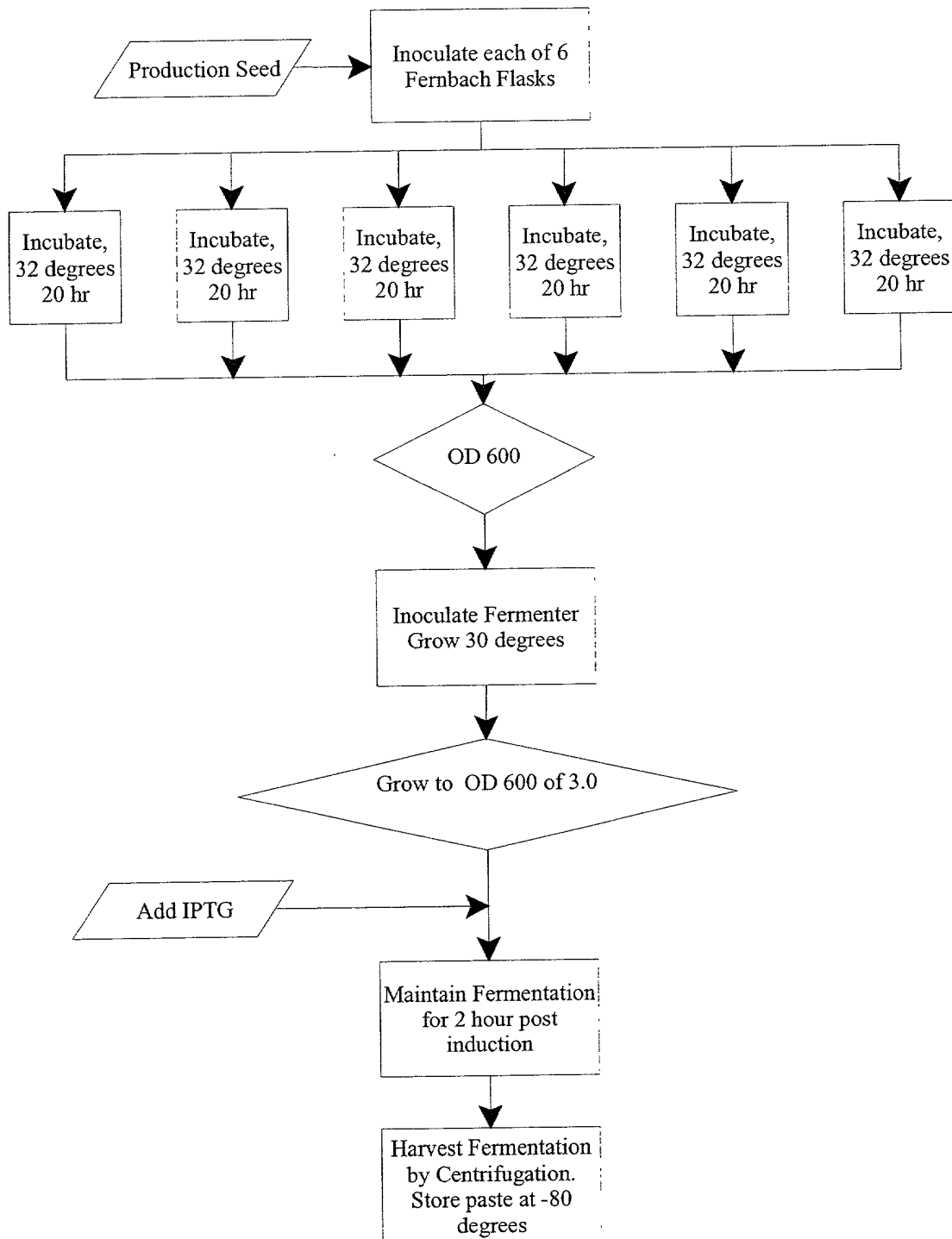


Fig. 7

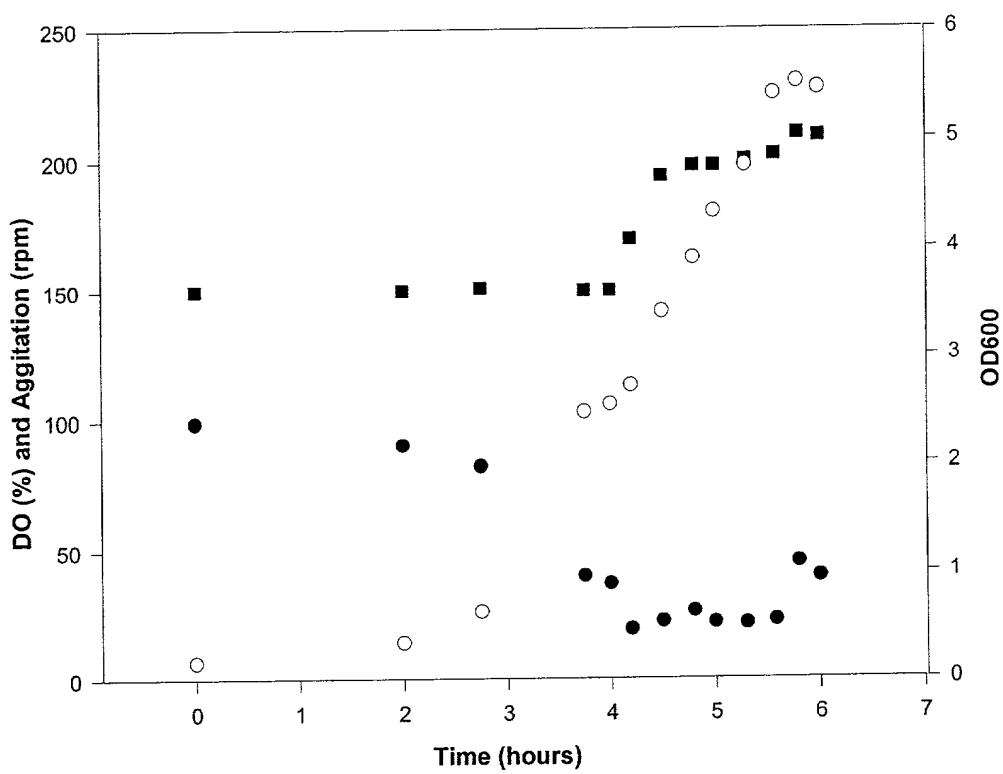


Fig. 8

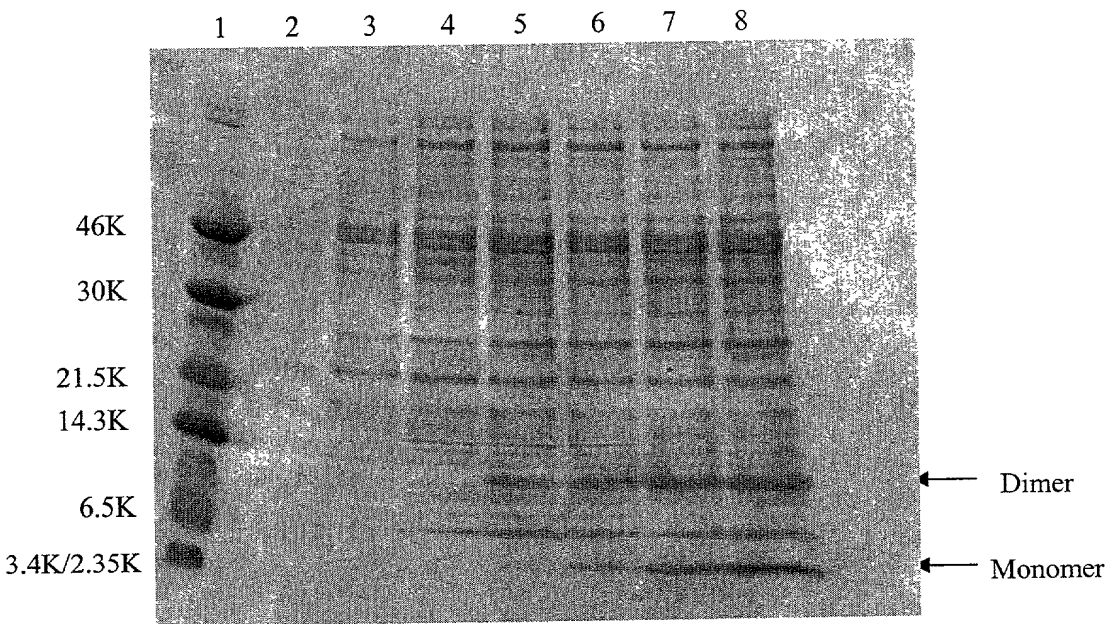


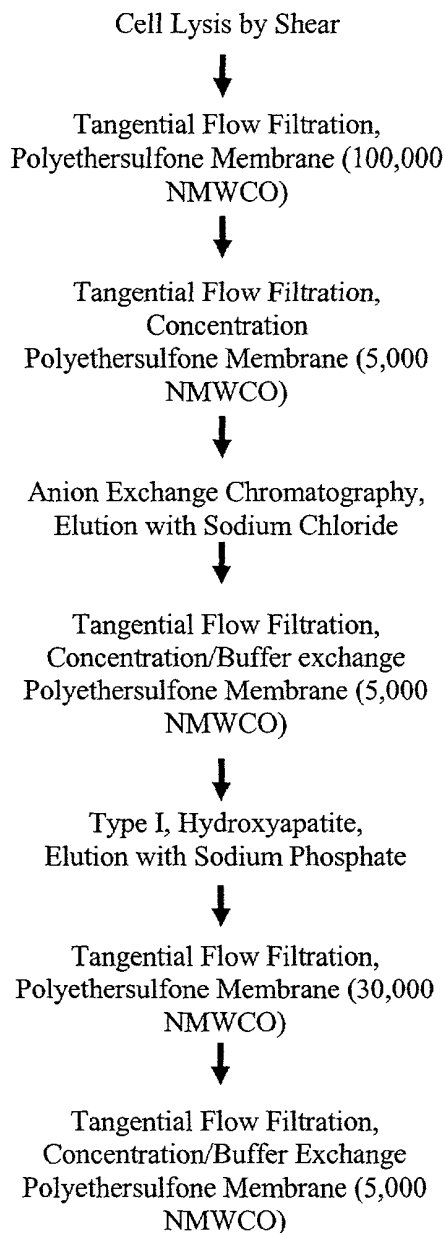
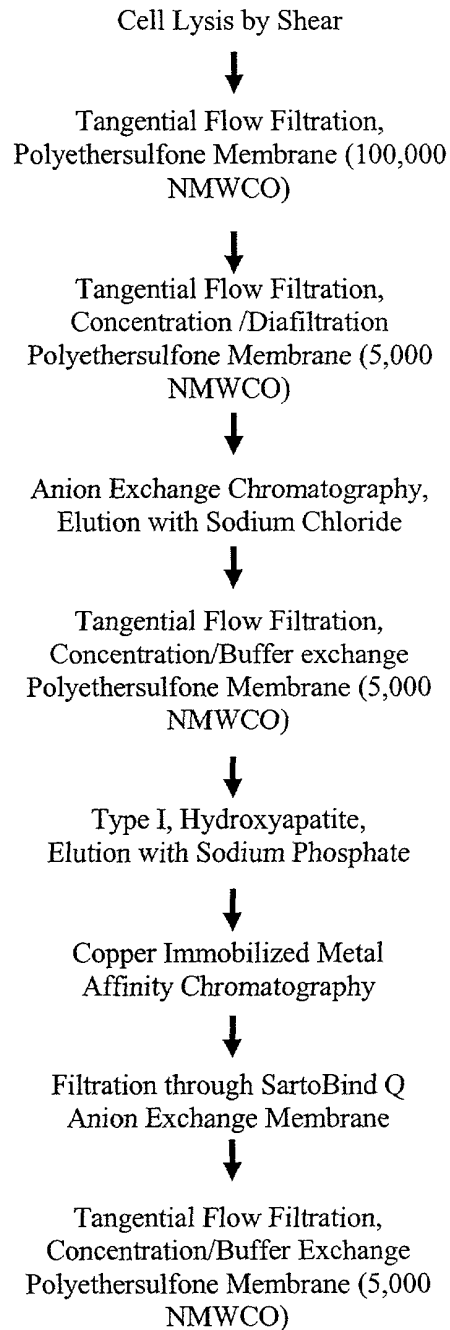
Fig. 9a**Purification used in Initial Toxicology study****Fig. 9b****Purification used in first cGMP Manufacturing Run**

Fig. 10

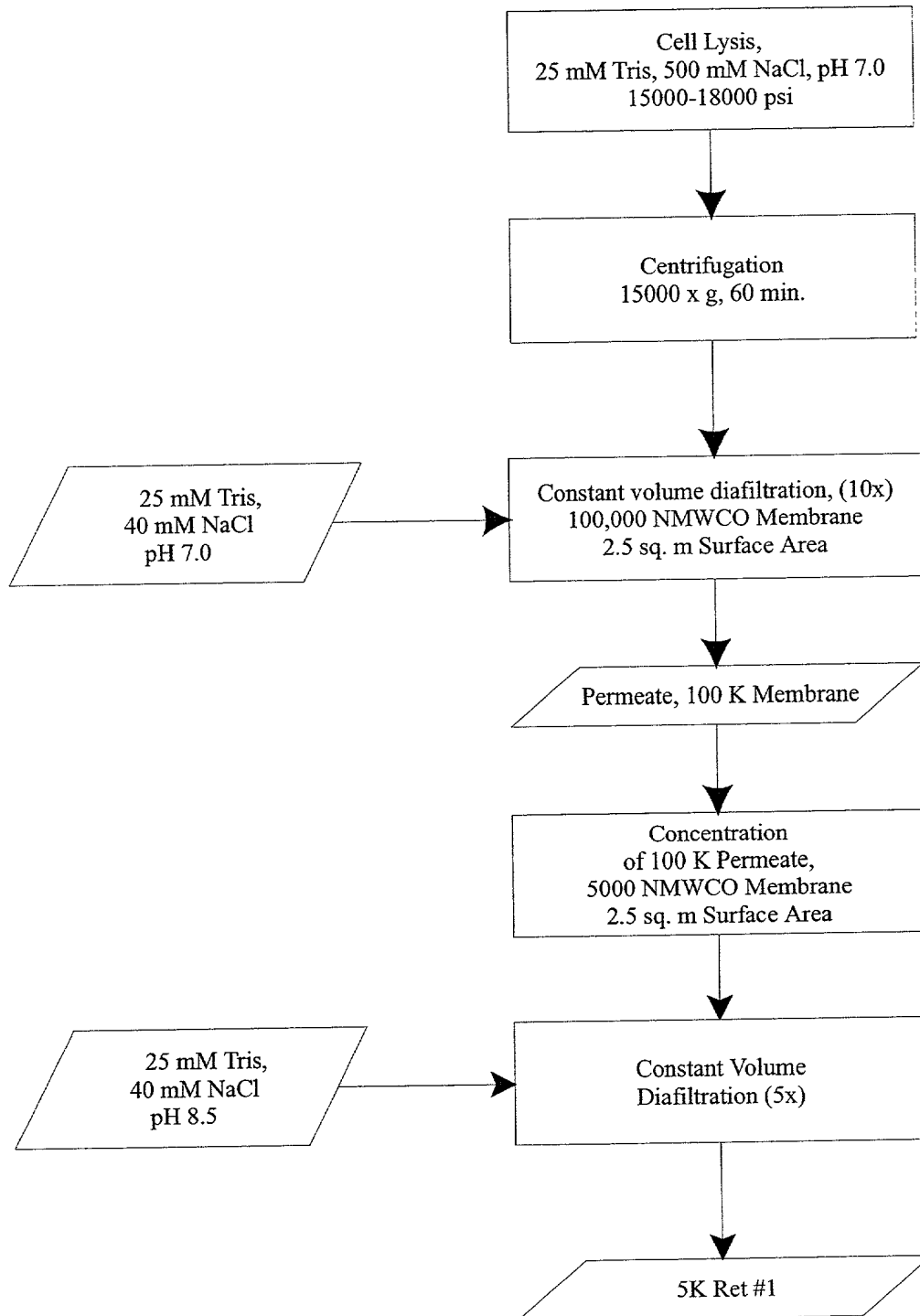
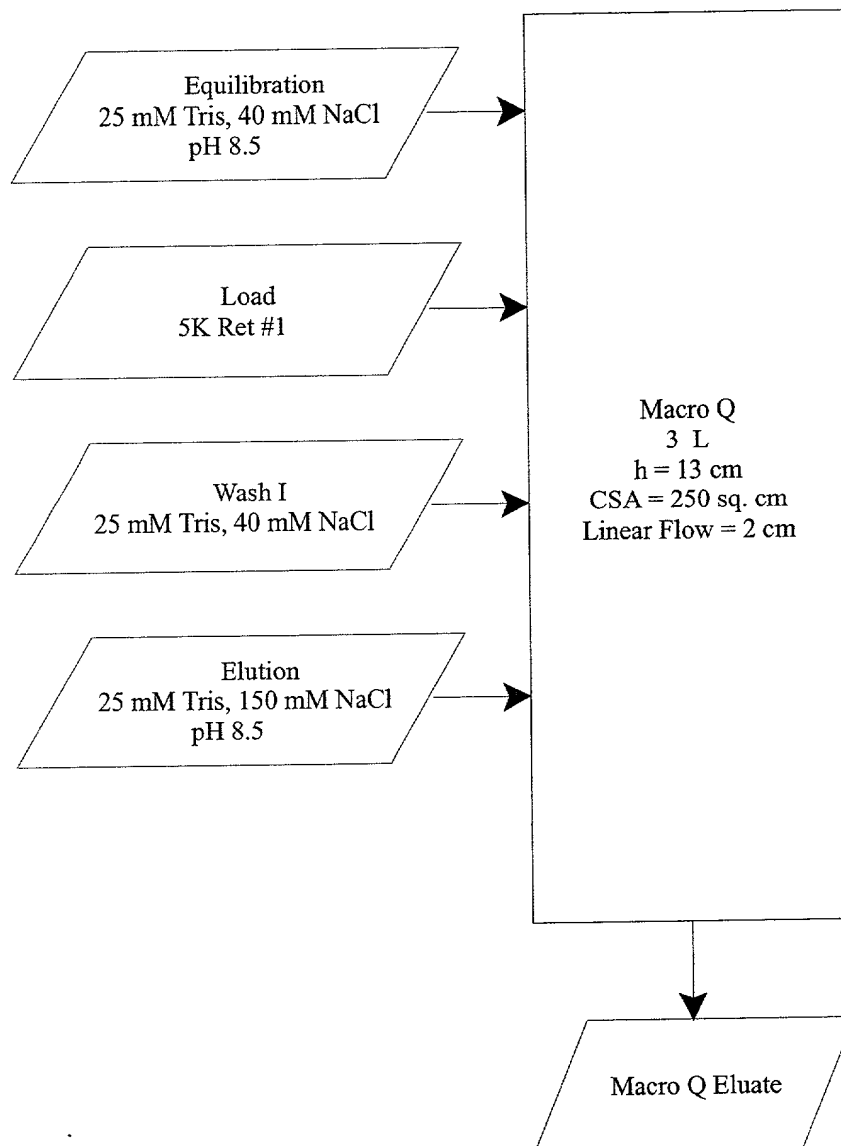


Fig. 11a



12/35

Fig. 11b

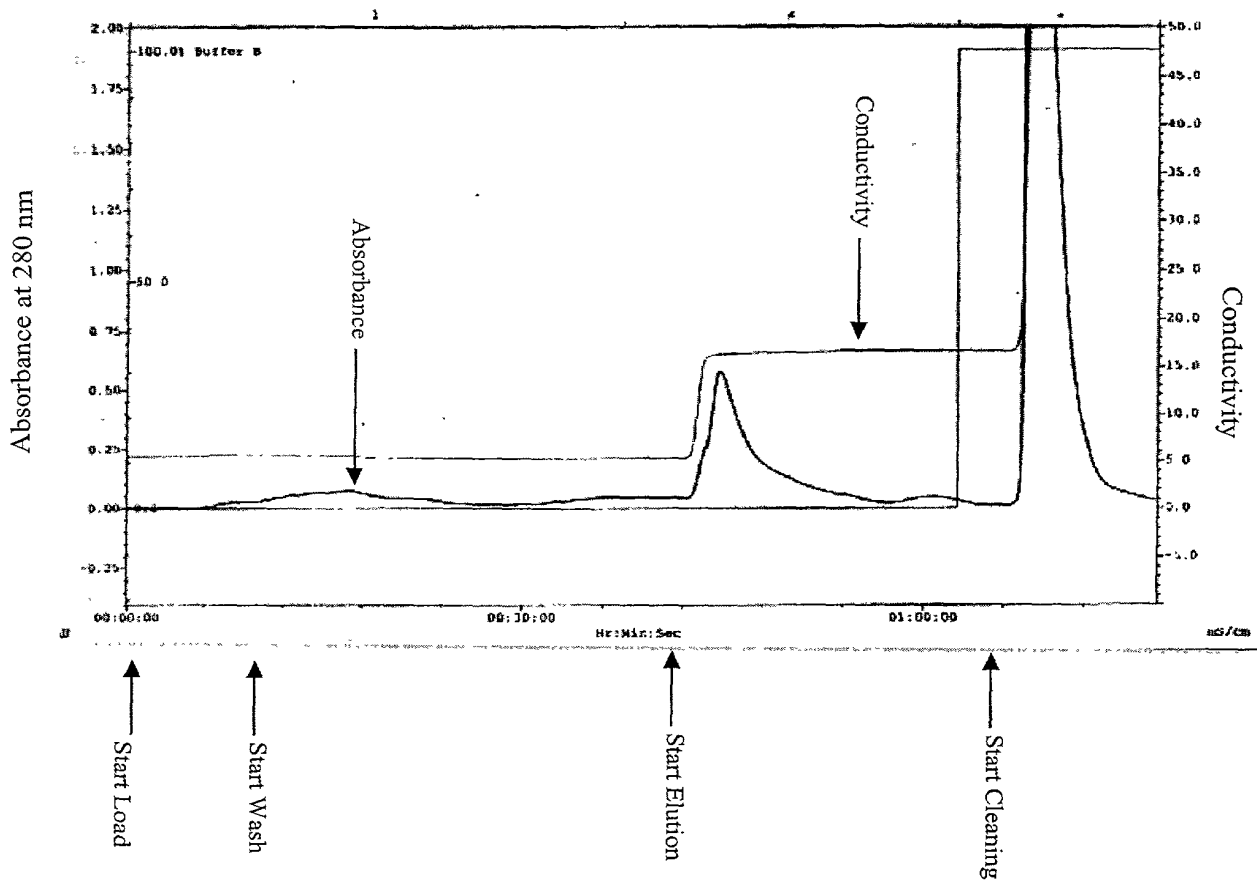


Fig. 12

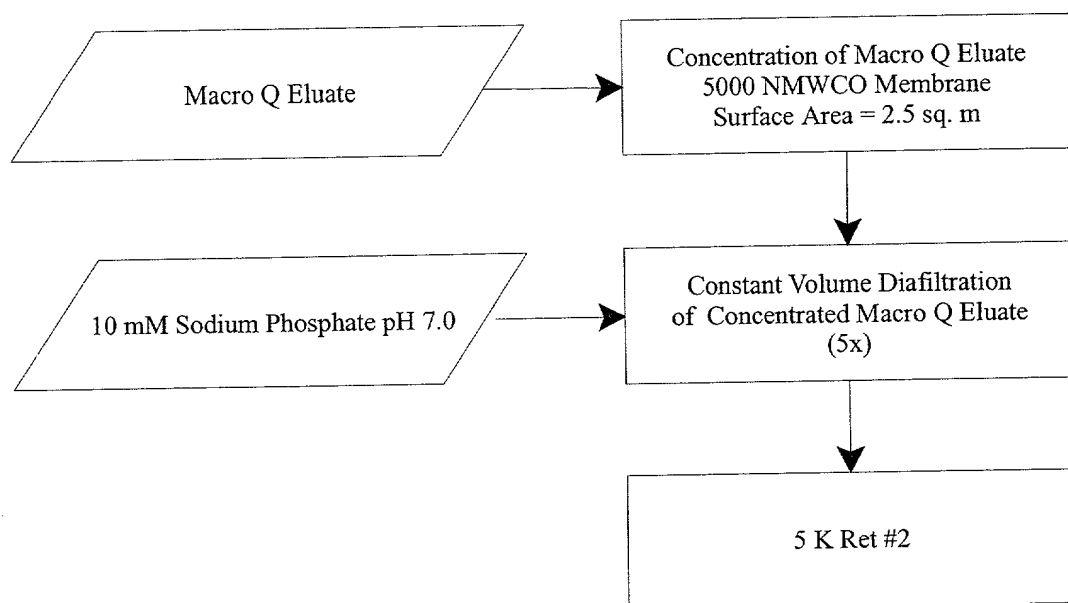
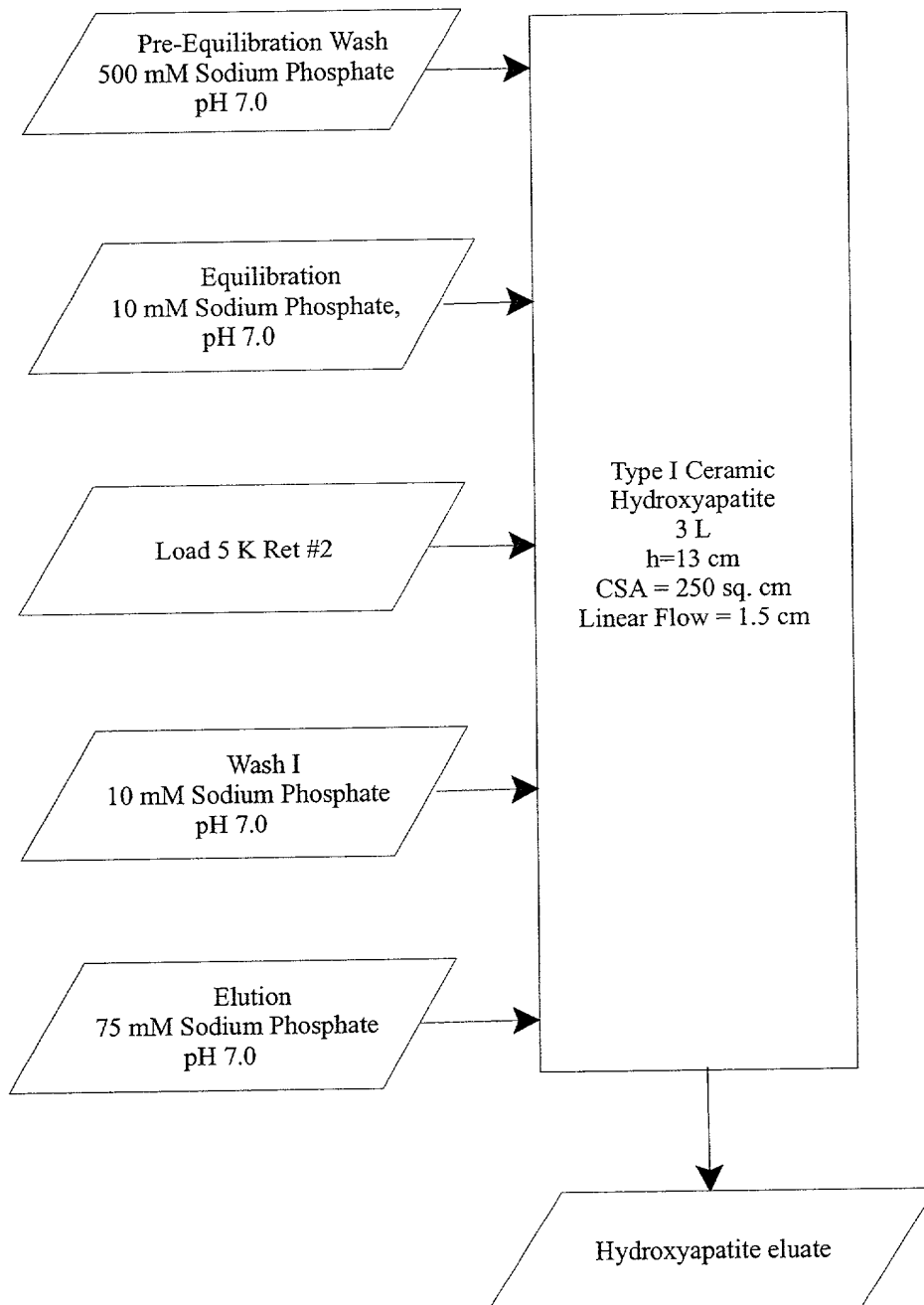
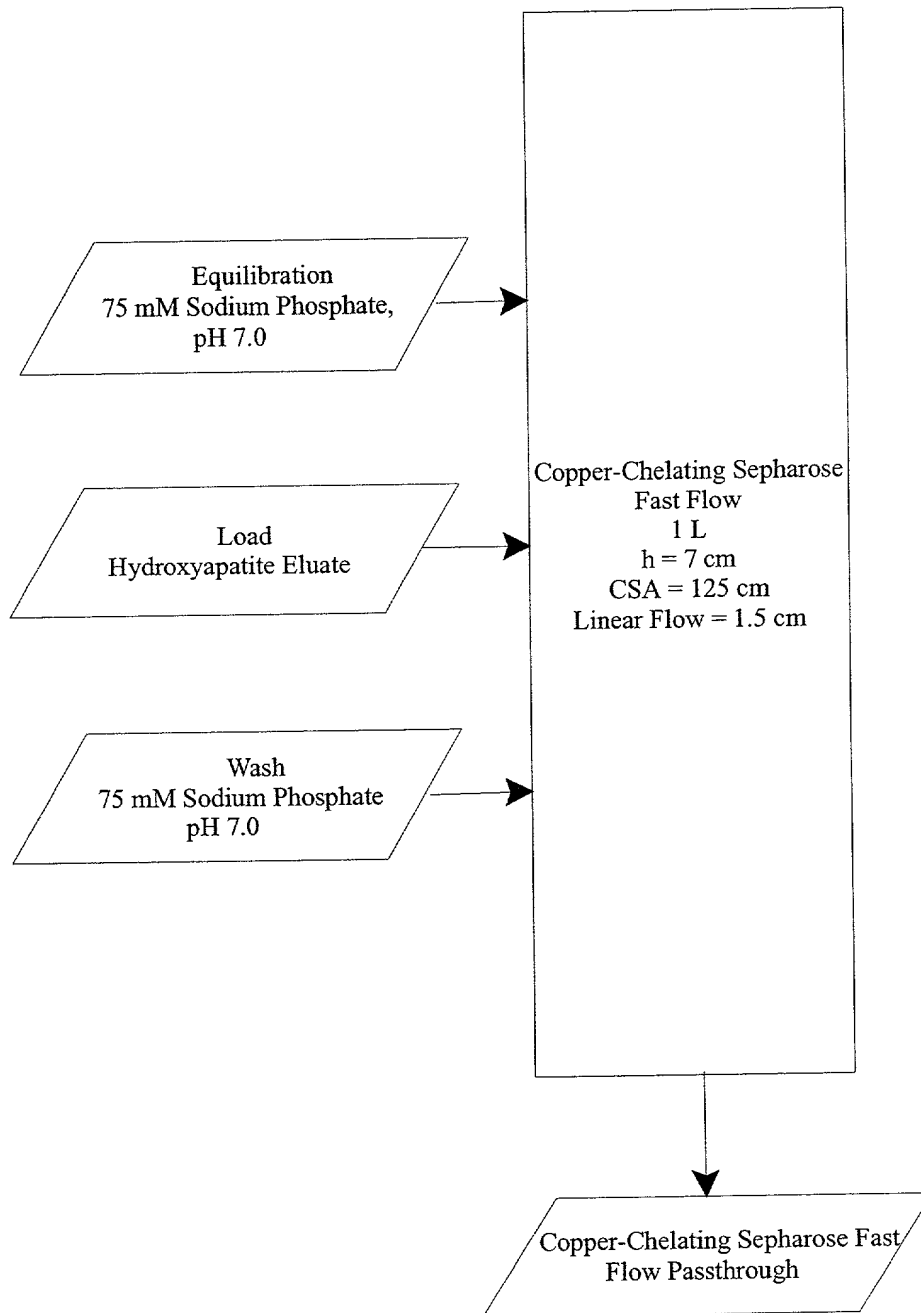


Fig. 13a



The chromatogram displays two data series over a 60-minute period. The left y-axis represents Absorbance at 280 nm (AU), ranging from -0.050 to 0.400. The right y-axis represents Conductivity (mS/cm), ranging from -10.0 to 100.0. The x-axis shows time in Hr:Min:Sec format. The process is divided into four phases: Start Load (00:00:00 to 00:10:00), Start Wash (00:10:00 to 00:25:00), Start Elution (00:25:00 to 00:40:00), and Start Cleaning (00:40:00 to 01:00:00). The Absorbance curve shows a small peak during the Wash phase and a large peak during the Elution phase. The Conductivity curve shows a sharp increase during the Elution phase and a step increase during the Cleaning phase.

Fig. 14a



The chromatogram displays two data series over a 20-minute period. The top trace, representing Absorbance at 280 nm, shows a baseline at 0.000 AU, a sharp rise to a peak of approximately 0.18 AU at 10:00, and a subsequent decline back to the baseline by 18:00. The bottom trace, representing Conductivity, remains constant at 0.0 mS/cm throughout the run. Key process events are marked at the bottom: 'Start Load' at 00:00:00, 'Start Passthrough' at approximately 00:05:00, and 'Start Wash' at approximately 00:18:00. The top left of the plot is labeled '100.0% Buffer A', and the y-axis is labeled 'AU' (Absorbance Units) on the left and 'mS/cm' (milliSiemens per centimeter) on the right.

Fig. 15

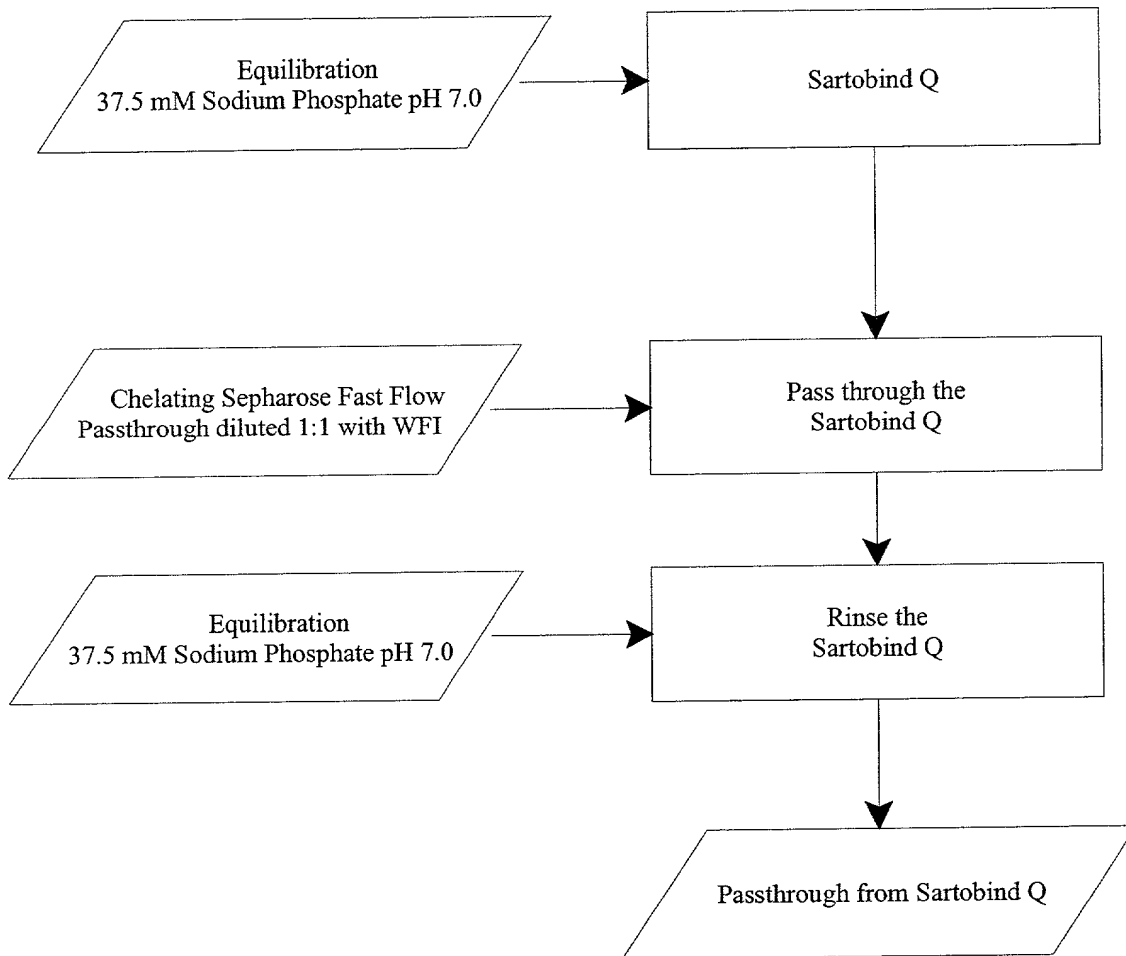


Fig. 16

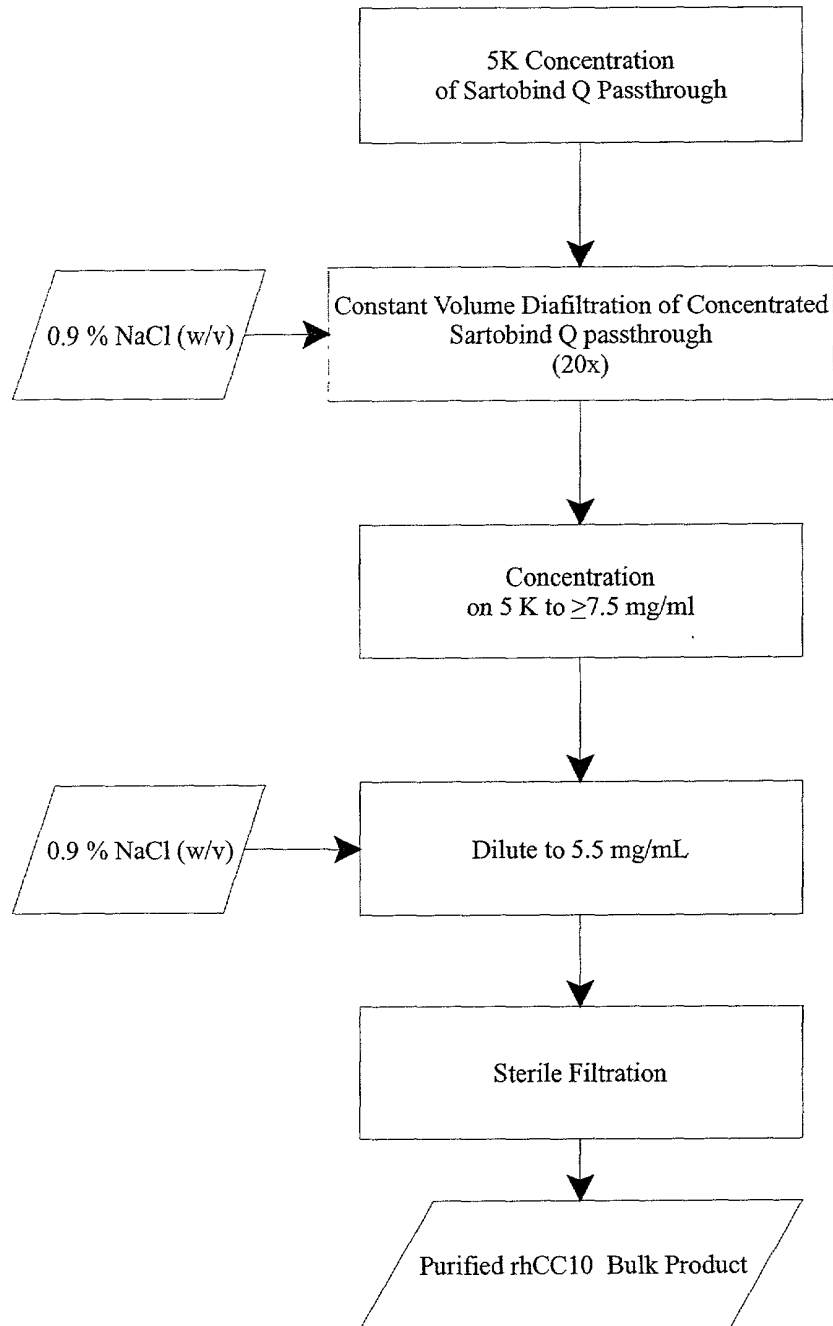
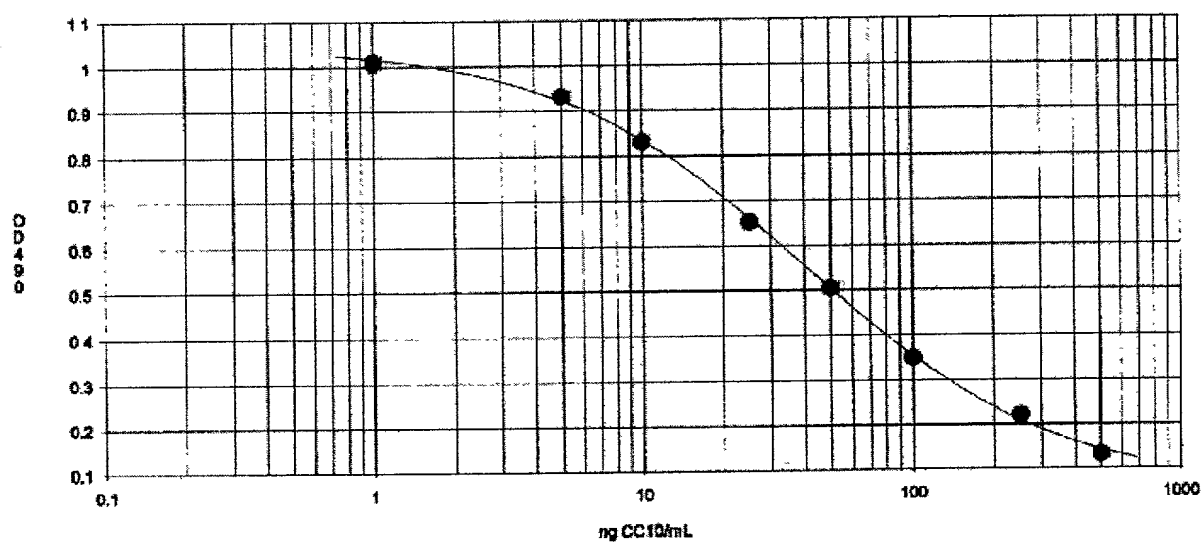


Fig. 17



4 Parameters $y = (a-d)/(1+(x/c)^b) + d$
 $a=1.047$ $b=0.9322$ $c=40.73$ $d=0.06497$
 $R=0.9997$ $R^2=0.9994$ $sr=0.007885$

Fig. 18

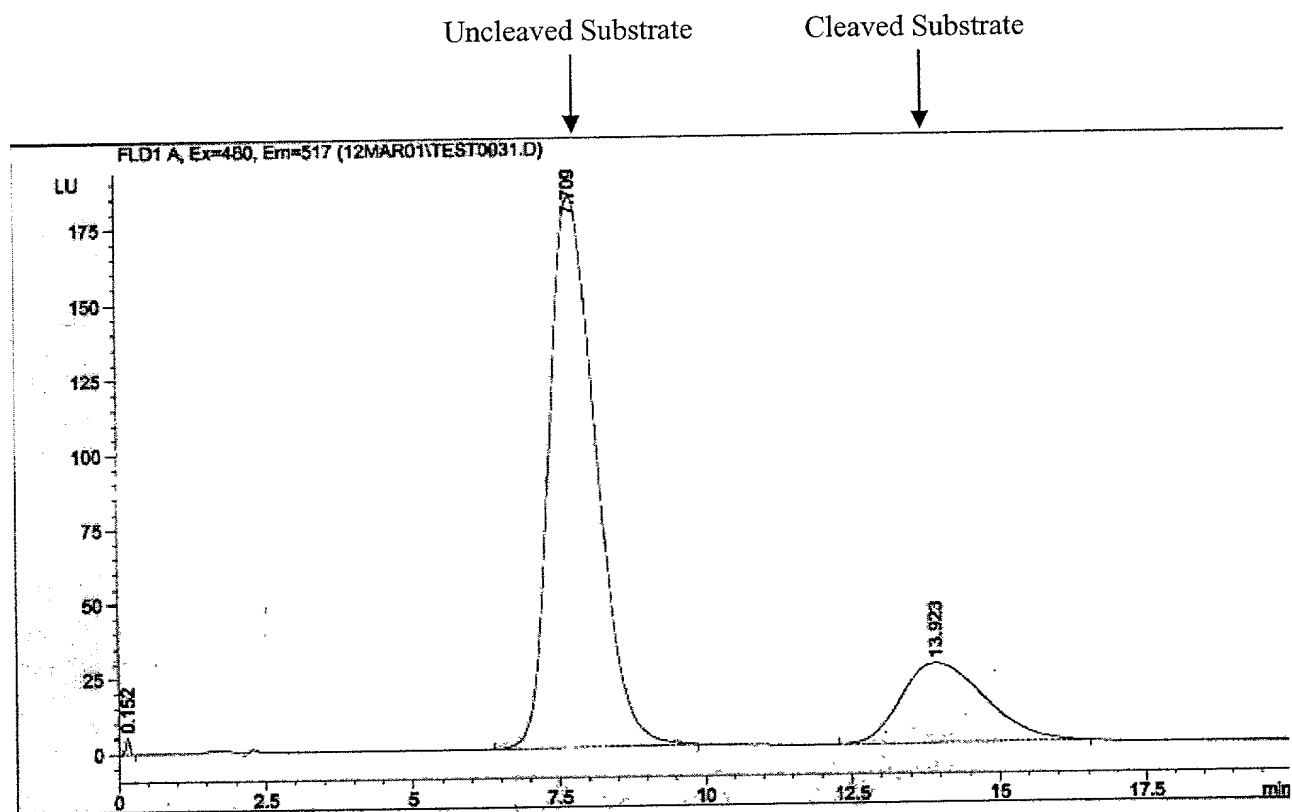


Fig. 19

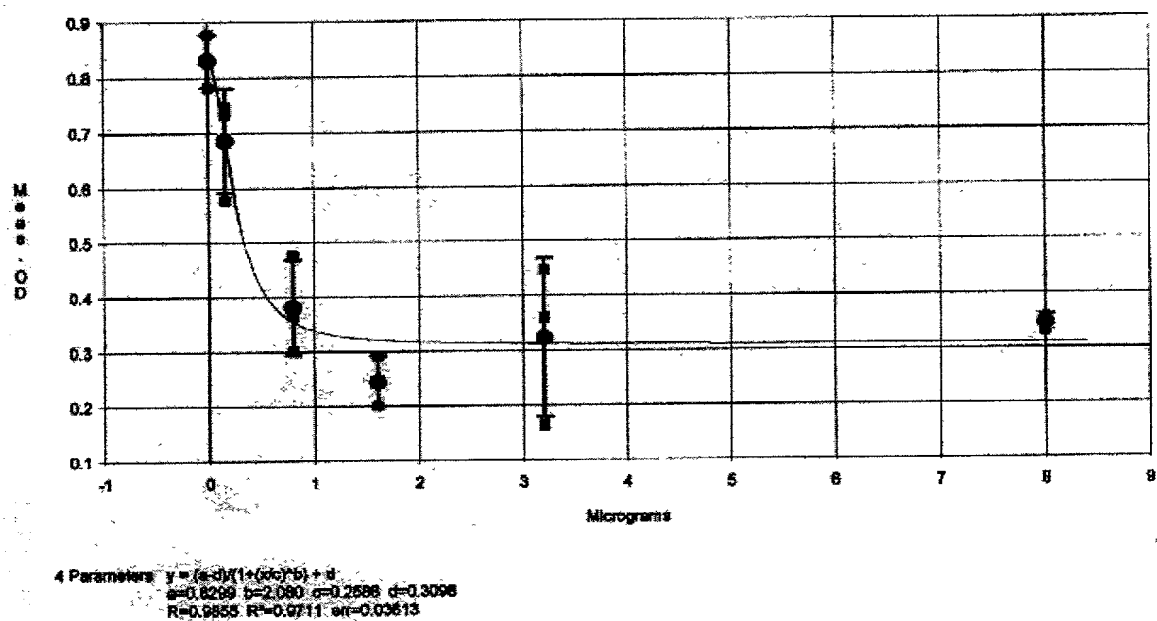


Fig. 20a

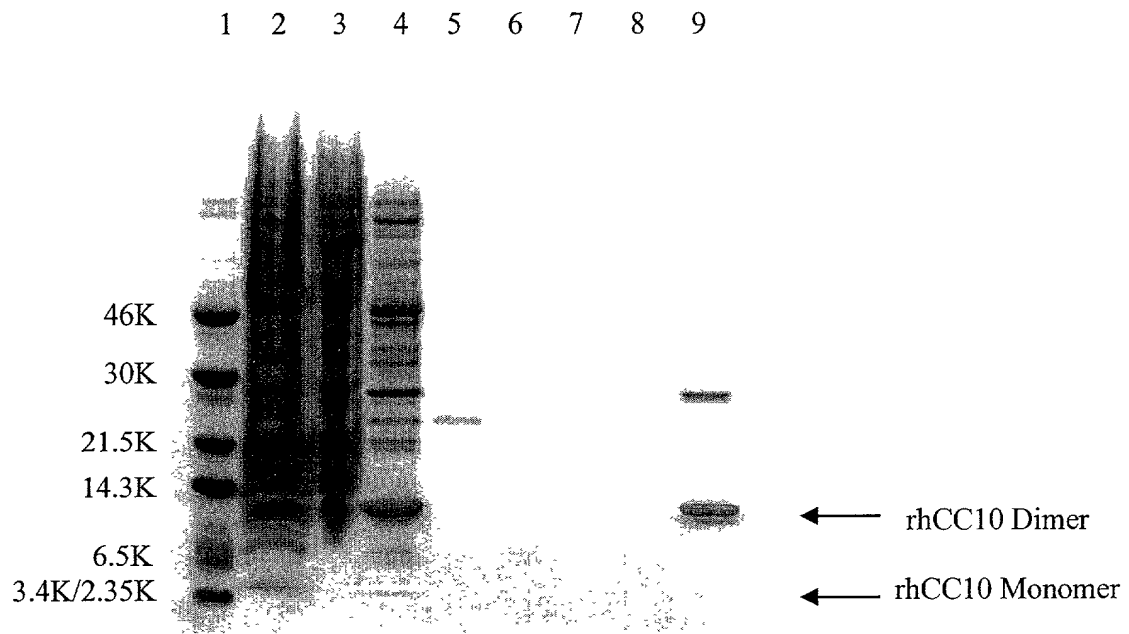


Fig. 20b

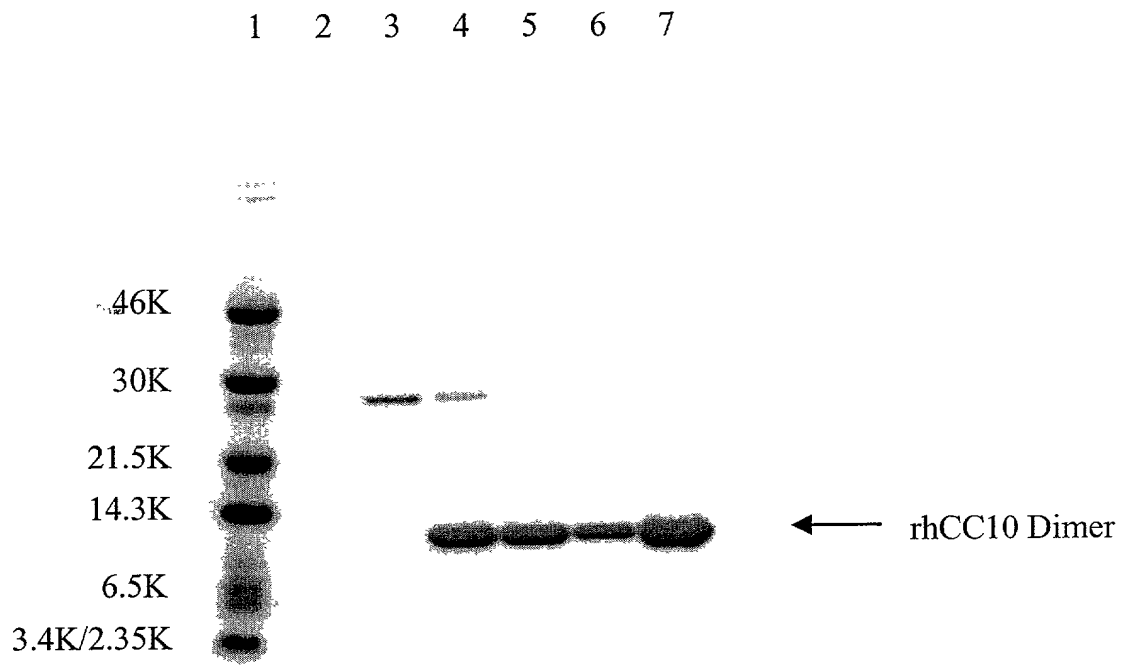


Fig. 21

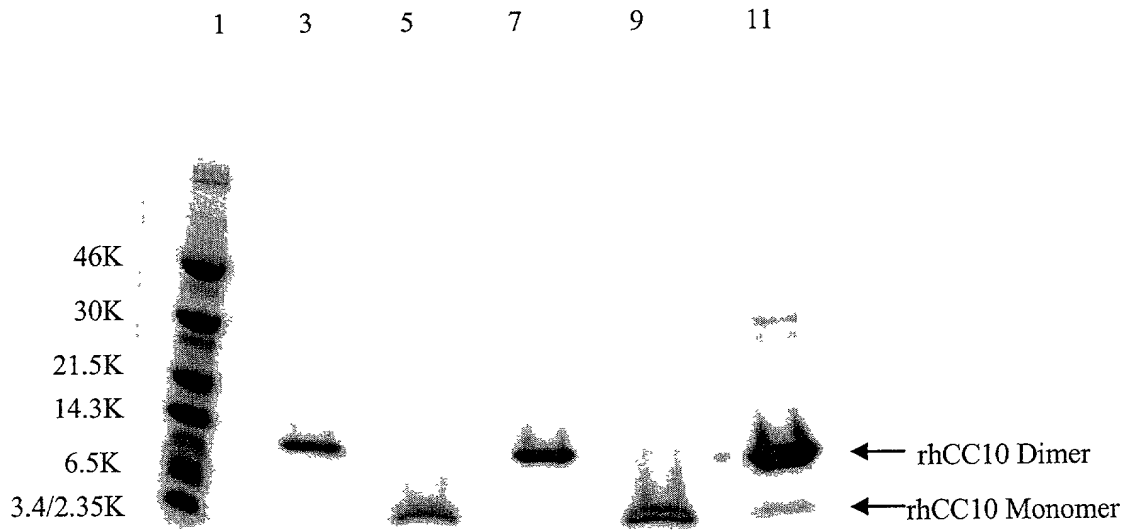


Fig. 22

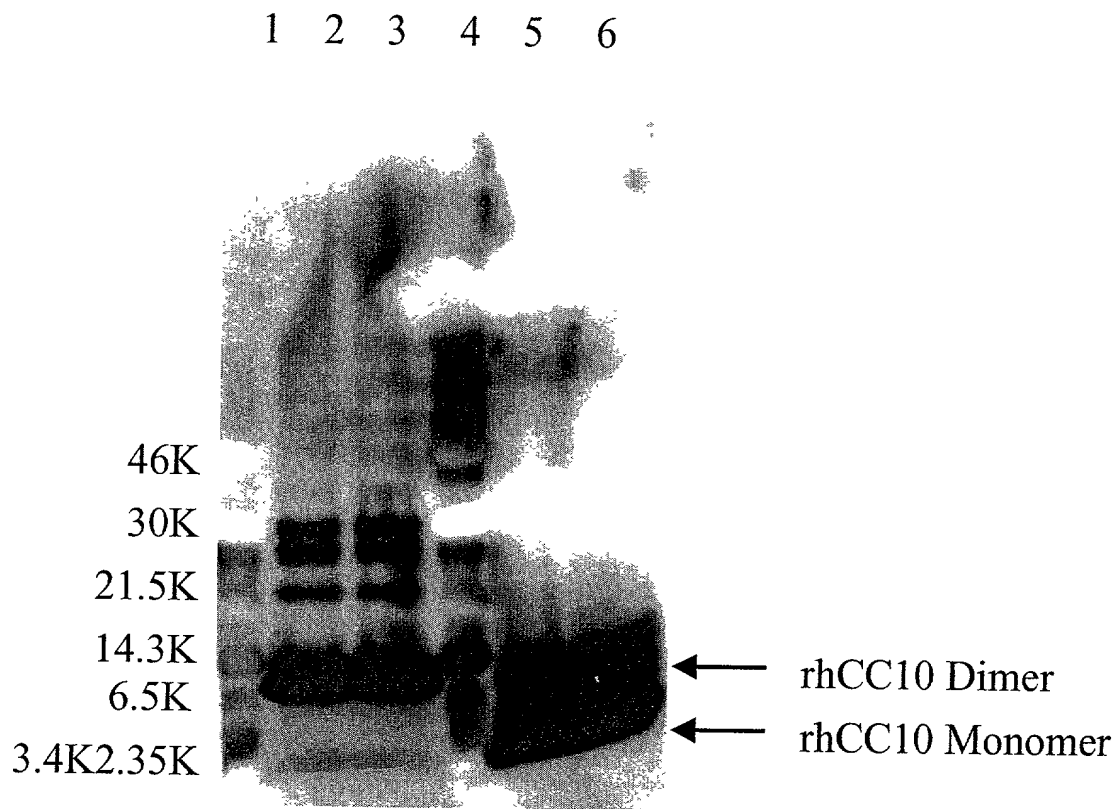


Fig. 23

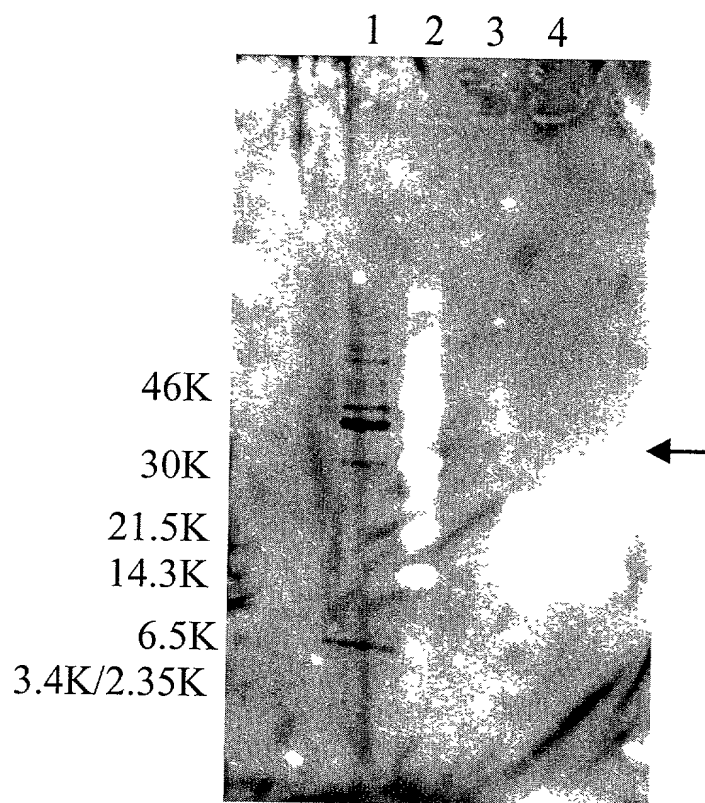


Fig. 24

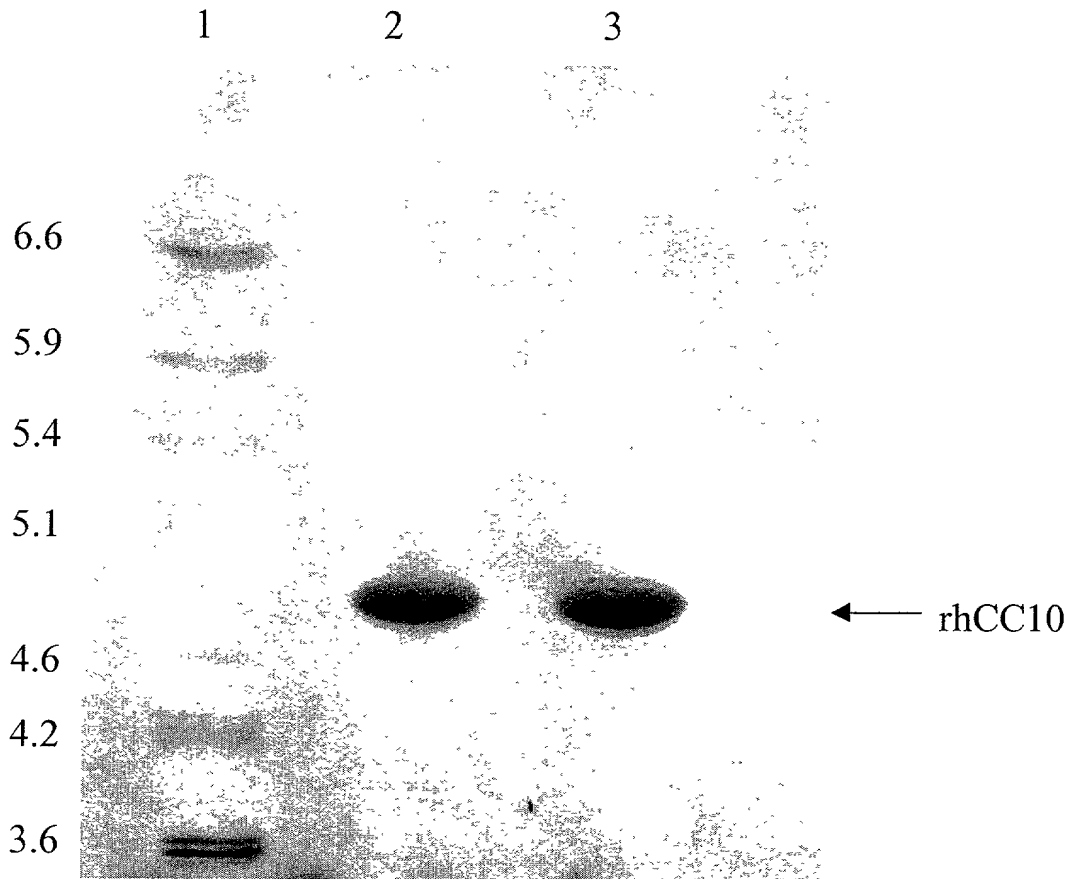


Fig. 25

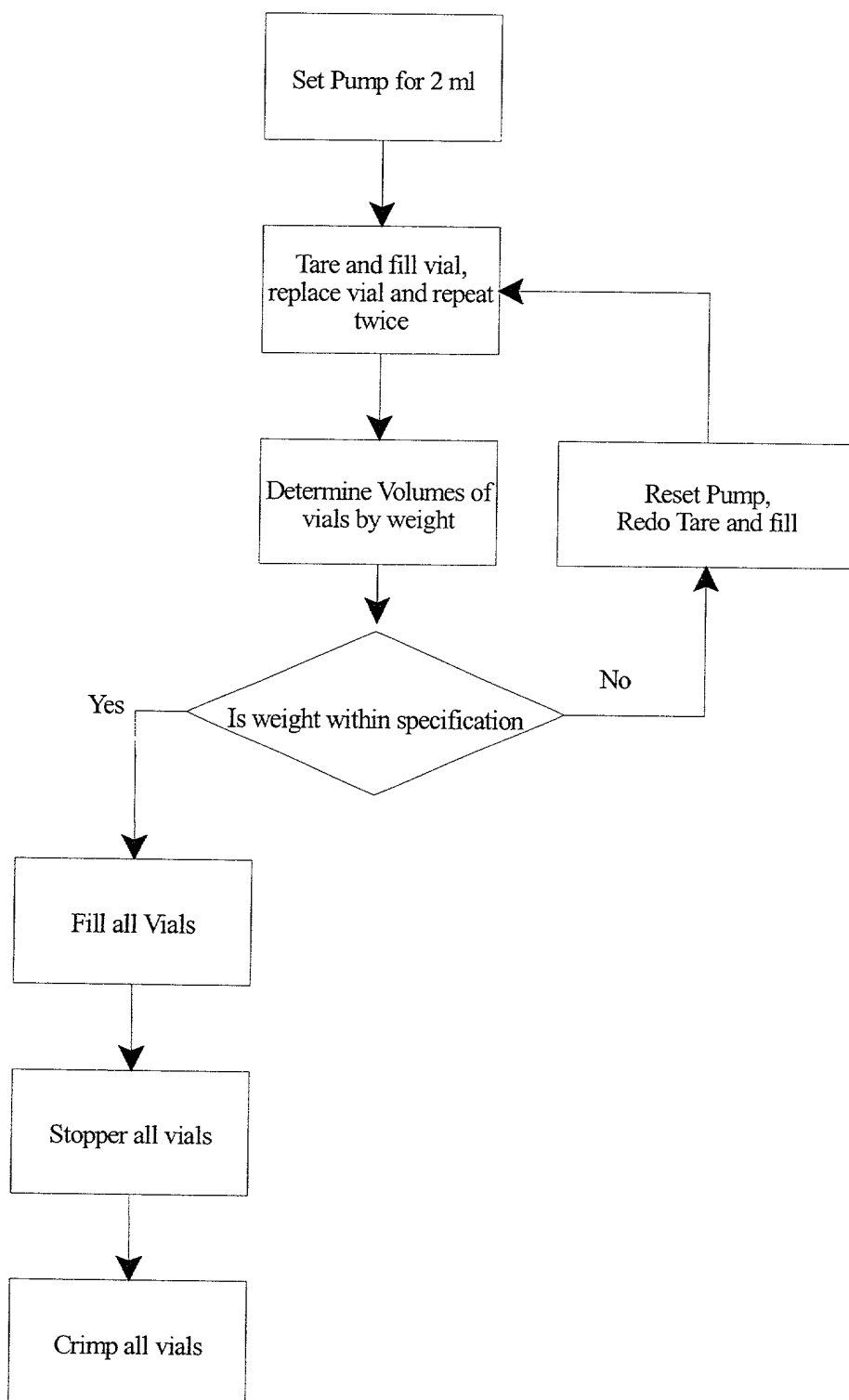


Fig. 26

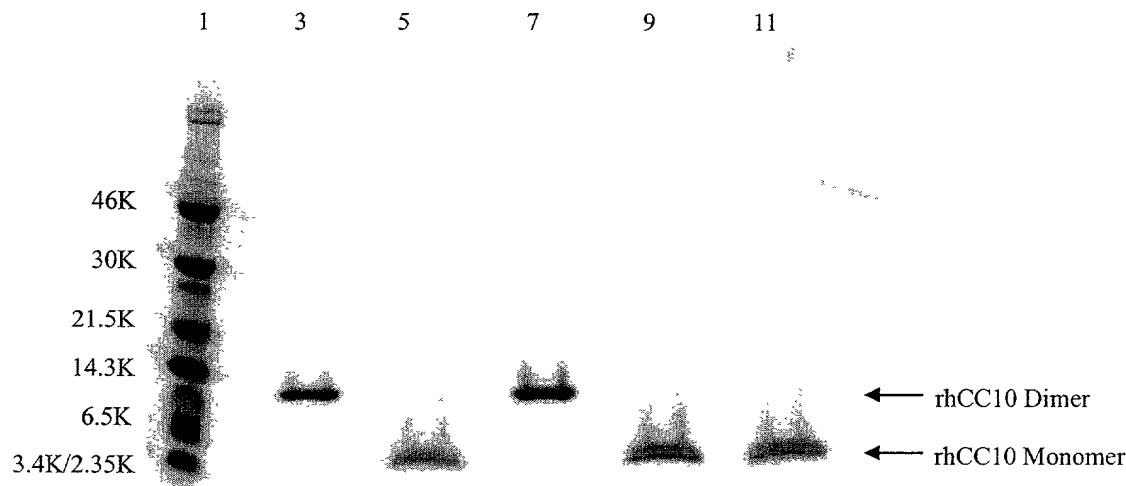


Fig. 27

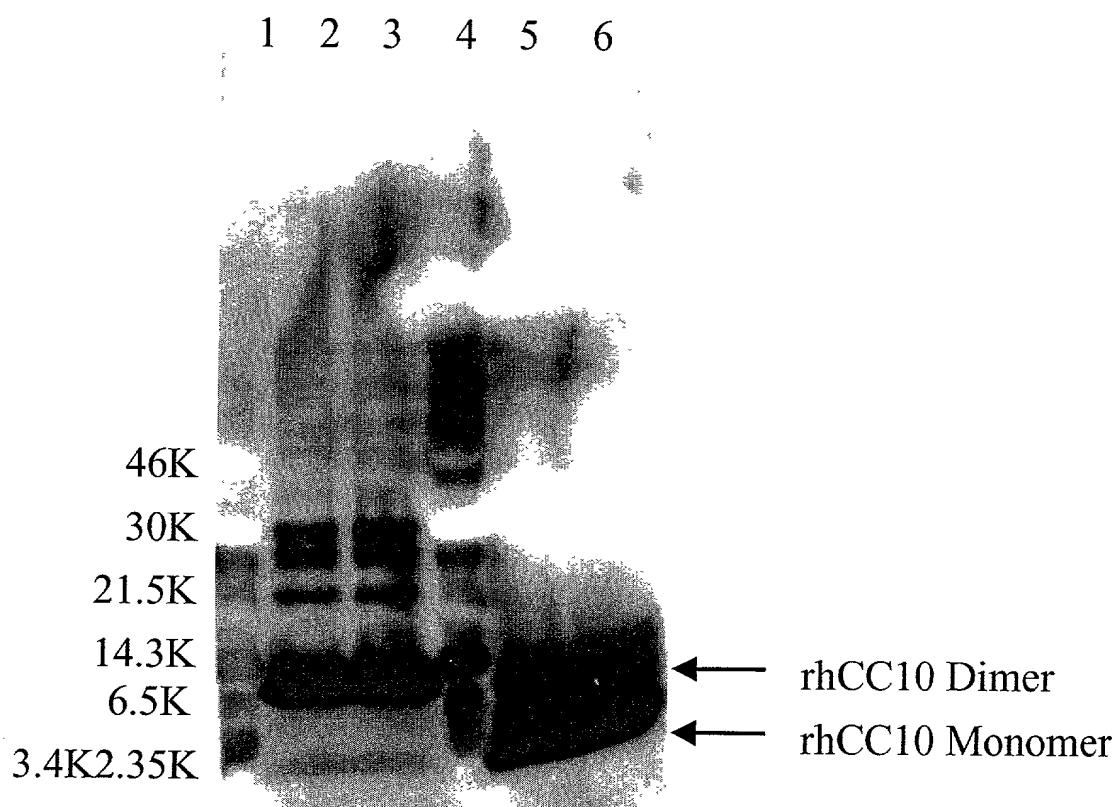


Fig. 28

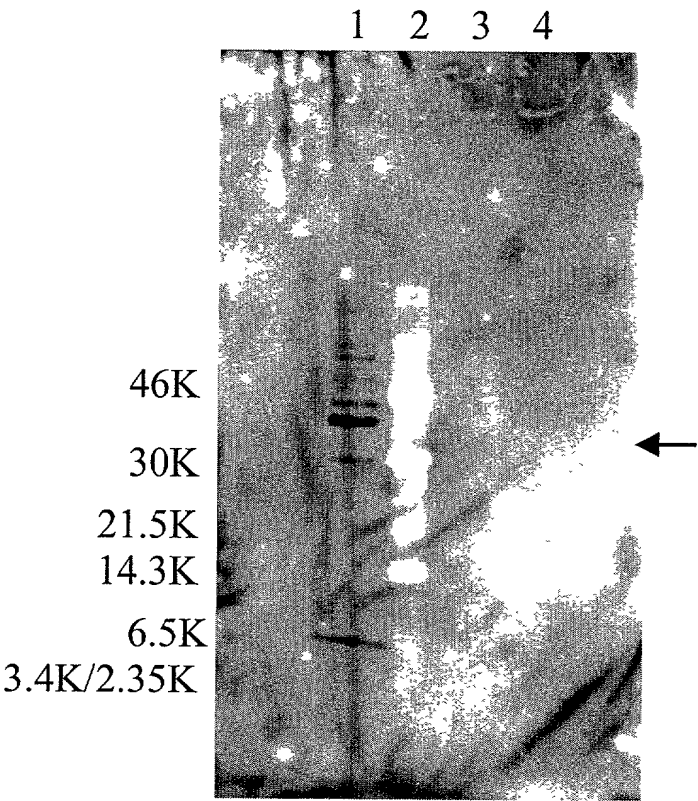


Fig. 29

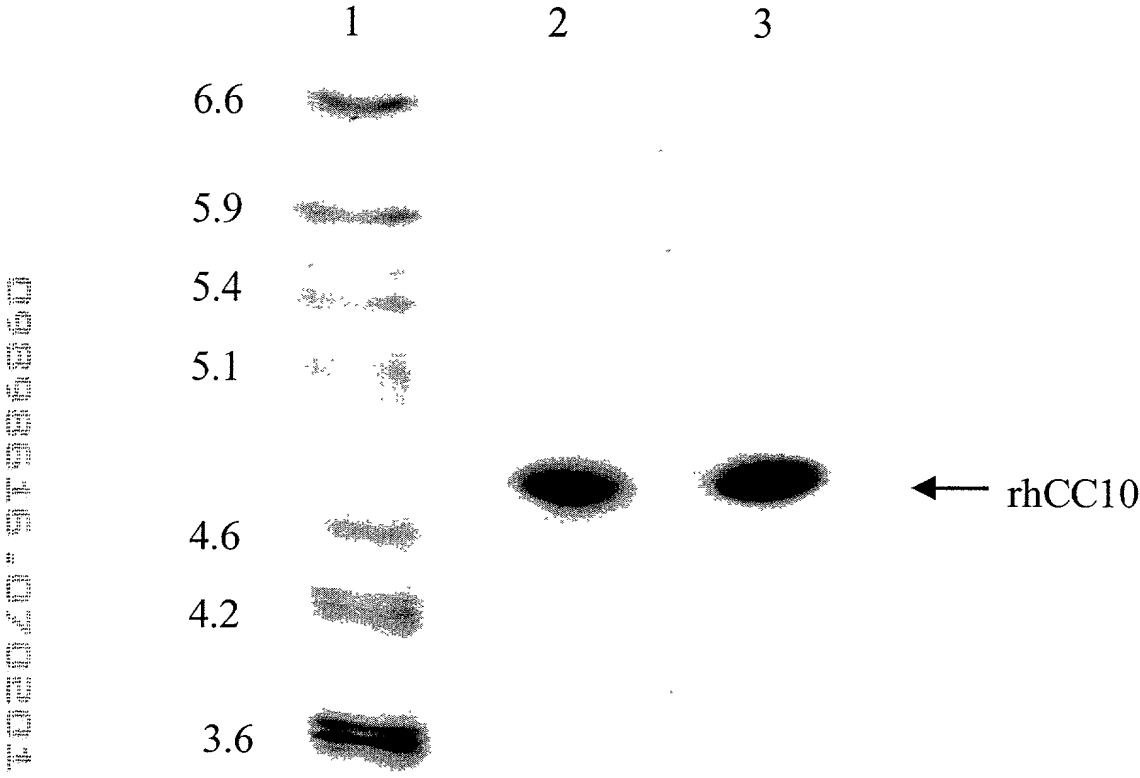


Fig. 30

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Fig. 31

Met Ala Ala Glu Ile Cys Pro Ser Phe Gln Arg Val Ile Glu Thr Leu Leu Met Asp Thr Pro Ser Ser Tyr Glu
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Thr Leu Pro Gln Lys Pro Arg Glu Ser Ile Ile Lys Leu Met Glu Lys Ile Ala Gln Ser Ser Leu Cys Asn

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